

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicants:	§	
Enrique Saldivar Guerra	§	
Alfonso González Montiel	§	
Filed:	§	Art Unit:
Serial No.:	§	Examiner:
For: BLOCK COPOLYMERS	§	
CONTAINING FUNCTIONAL	§	
GROUPS	§	Docket No. GIR500/4-1US

INFORMATION DISCLOSURE STATEMENT

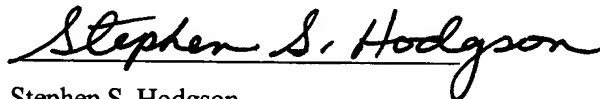
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

Pursuant to Applicants' duty, under 37 C.F.R. § 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicants list on a concurrently filed Form PTO-1449 references that may be relevant to the subject matter of the above-identified application, which is filed concurrently herewith. Copies of the references cited in Form PTO-1449 are enclosed. The fee specified by 37 C.F.R. § 1.17(p), as required by 37 C.F.R. § 1.97(c), can be charged to our Deposit Account No. 22-0365 Attn: GIR500/4-1US (as authorized in the fee transmittal sheet also enclosed).

Respectfully submitted,

Date: July 16, 2003



Stephen S. Hodgson
Registry No. 41,075
VINSON & ELKINS L.L.P.
2300 First City Tower
1001 Fannin Street
Houston, Texas 77002
Phone: (713) 758-2604
Fax: (713) 615-5730

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of 4

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Enrique Saldivar Guerra
Art Unit	
Examiner Name	
Attorney Docket Number	GIR500/4-1US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,953,404	04/27/1976	Borman	
		US- 4,217,438	08/12/1980	Brunelle et al.	
		US- 4,315,086	02/09/1982	Ueno et al.	
		US- 4,328,327	05/04/1982	Tanaka et al.	
		US- 4,581,429	04/08/1986	Solomon et al.	
		US- 4,600,741	07/15/1986	Aycock et al.	
		US- 4,605,731	08/12/1986	Evans et al.	
		US- 4,644,053	02/17/1987	Brunelle et al.	
		US- 4,732,937	03/22/1988	Sybert	
		US- 4,748,203	05/31/1988	Van Abeelen et al.	
		US- 4,844,163	07/04/1989	Hazlett et al.	
		US- 5,141,984	08/25/1992	Orikasa et al.	
		US- 5,204,394	04/20/1993	Gosens et al.	
		US- 5,231,146	07/27/1993	Brown et al.	
		US- 5,274,034	12/28/1993	Morgan et al.	
		US- 5,290,863	03/01/1994	Brown et al.	
		US- 5,326,813	07/05/1994	Okada et al.	
		US- 5,401,804	03/28/1995	Georges et al.	
		US- 5,449,724	09/12/1995	Moffat et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 027 274	08/15/1984	Tanaka, Atsushi		
		WO 99/47575	09/23/1999	Vertommen, Luc		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

4

Complete if Known

Application Number

Filing Date

First Named Inventor

Enrique Saldivar Guerra

Art Unit

Examiner Name _____

Attorney Docket Number

GIR500/4-1US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date	
Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet	3	of	4	Application Number	
				Filing Date	
				First Named Inventor	Enrique Saldivar Guerra
				Art Unit	
				Examiner Name	
				Attorney Docket Number	GIR500/4-1US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BELL et al., The miscibility of copolymer blends involving the monomers itaconic anhydride, methyl methacrylate, styrene and acrylonitrile, Polymer, 1994, pgs. 786-790, V. 35 No. 4, Butterworth-Heinemann Ltd.	
		BENOIT et al., Development of a Universal Alkoxyamine for "Living" Free Radical Polymerizations, Journal of the American Chemical Society, 1999, pgs. 3904-3920, V. 121 No. 16, American Chemical Society.	
		BENOIT et al., One-Step Formation of Functionalized Block Copolymers, Macromolecules, 2000, pgs. 1505-1507, V. 33 No. 5, American Chemical Society.	
		CHIANG et al., Polymer Blends of Polyamide-6 and Poly (phenylene oxide) Compatibilized by Styrene-co-Glycidyl Methacrylate, Journal of Applied Polymer Science, 1996, pgs. 2411-2421, V. 61, John Wiley & Sons, Inc.	
		GAN et al., Phase Behavior of Blends of Styrene/Maleic Anhydride Copolymers, Journal of Applied Polymer Science, 1994, pgs. 317-331, V. 54, John Wiley & Sons, Inc.	
		HARTH et al., Chain End Functionalization in Nitroxide-Mediated "Living" Free Radical Polymerizations, Macromolecules, 2001, pgs. 3856-3862, V. 34 No. 12, American Chemical Society.	
		KOULOURI et al., Terminal Anhydride Functionalized Polystyrene by Atom Transfer Radical Polymerization Used for the Compatibilization of Nylon 6/PS Blends, Macromolecules, 1999, pgs. 6242-6248, V. 32 No. 19, American Chemical Society.	
		MERFELD et al., Binary interaction parameters from blends of SMA copolymers with TMPC-PC copolycarbonates, Polymer, 1998, pgs. 1999-2009, V. 39 No. 10, Elsevier Science Ltd., Great Britain.	
		PARK et al., Terminal Anhydride Functionalization of Polystyrene, Journal of Polymer Science, Polymer Chemistry, 1991, pgs. 1329-1338, V. 29, John Wiley & Sons, Inc.	
		PARK et al., Living Radical Copolymerization of Styrene/Maleic Anhydride, Journal of Polymer Science Part A-Polymer Chemistry, 2000, pgs. 2239-2244, V. 38, John Wiley & Sons, Inc.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number			
		Filing Date			
		First Named Inventor		Enrique Saldivar Guerra	
		Art Unit			
		Examiner Name			
Sheet	4	of	4	Attorney Docket Number	GIR500/4-1US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		YAO et al., Continuous Thermal Bulk Copolymerization of Styrene and Maleic Anhydride, Journal of Applied Polymer Science, 1999, pgs. 615-622, V. 73, John Wiley & Sons, Inc.	
		MOAD et al., The Chemistry of Free Radical Polymerization, 1995, pgs. 277-283, Pergamon.	
		1 page Patent Abstract of Japanese Patent No. 57-074313 published 05/10/1982.	
		CUATEPOTZO et al., New Controllers for Nitroxide mediated polymerization. A study of electronic effects and of the [nitroxide]/[initiator] ratio on the polymerization control, Submitted for publication to Journal of Polymer Science, 2003 (pending), pgs. 1-23.	
		SALDIVAR and GONZALEZ et al., Synthesis of Novel Copolymers Via Controlled Radical Polymerization (CRP), Slides from Presentation at Second Conference for The Commercialization of Controlled Polymer Synthesis, Dec. 4-5, 2000, 29 pgs., The Knowledge Foundation, Cambridge, USA.	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.